

SEQUENCE LISTING

Rec'd PCPTO 01 JUN 2004

10/018691



<110> Long, David M.
Smidansky, Eric D.
Strobel, Gary A.

<120> Taxol Production via Generation of Extrachromosomal
DNAs in the Fungus Pestalotiopsis

<130> 57309-5002-US

<140> US 10/018,691

<141> 2001-12-20

<150> US 60/091,667

<151> 1998-07-02

<150> PCT/US99/15135

<151> 1999-07-02

<160> 12

<170> PatentIn Ver. 2.1

<210> 1

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:PCR primer

<400> 1

ttaccgcgac gacatatcca cg

22

<210> 2

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:PCR primer

<400> 2

atagctgcgc ctaggtttc ta

22

<210> 3

<211> 54

<212> DNA

<213> Pestalotiopsis microspora

<220>

<221> repeat_unit

<222> (49)..(54)

<223> This unit is present one or more times.

<400> 3

taaagcaggg aagtatgcgc ttagggtag gtttttaggg ttagcttagg gtta

54

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<210> 4
<211> 41
<212> DNA
<213> Pestalotiopsis microspora

<220>
<221> repeat_unit
<222> (36)..(41)
<223> This unit is present one or more times.

<400> 4
accgcgtatcg tgagcatcct agcttagggt tattagggtt a

41

<210> 5
<211> 39
<212> DNA
<213> Pestalotiopsis microspora

<220>
<221> repeat_unit
<222> (34)..(39)
<223> This unit is present one or more times.

<400> 5
tgcatggagc cgggccacct tagggtagc ttagggta

39

<210> 6
<211> 26
<212> DNA
<213> Pestalotiopsis microspora

<220>
<221> repeat_unit
<222> (21)..(26)
<223> This unit is present one or more times.

<400> 6
gtgccgggga tcctagggtta gggta

26

<210> 7
<211> 28
<212> DNA
<213> Pestalotiopsis microspora

<220>
<221> repeat_unit
<222> (21)..(28)
<223> This unit is present one or more times.

<400> 7
tggagccggt gagcgtgggt tagggta

28

<210> 8
<211> 50
<212> DNA
<213> Pestalotiopsis microspora

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<220>
 <221> repeat_unit
 <222> (45)..(50)
 <223> This unit is present one or more times.

<400> 8
 tcgatggggg agtatggggg ttagcttagg gttagggttag cttagggtta 50

<210> 9
 <211> 40
 <212> DNA
 <213> Pestalotiopsis microspora

<220>
 <221> repeat_unit
 <222> (35)..(40)
 <223> This unit is present one or more times.

<400> 9
 ggggagtatg ggggagtacc ttaggggttag cttagggtta 40

<210> 10
 <211> 31
 <212> DNA
 <213> Pestalotiopsis microspora

<220>
 <221> repeat_unit
 <222> (26)..(31)
 <223> This unit is present one or more times.

<400> 10
 gcgacggacg cactgacggt taggggggtt a 31

<210> 11
 <211> 15
 <212> DNA
 <213> Pestalotiopsis microspora

<220>
 <221> repeat_unit
 <222> (1)..(6)
 <223> This unit is present one or more times (sequence
 is at telomeric repeat junction near 5' end of
 extrachromosomal DNA).

<400> 11
 ccctaaccga cgcta 15

<210> 12
 <211> 27
 <212> DNA
 <213> Pestalotiopsis microspora

<220>
 <221> repeat_unit

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<222> (22)..(27)

<223> This unit is present one or more times (sequence
is at telomeric repeat junction near 3' end of
extrachromosomal DNA).

<400> 12

ccgggccacc ttagggtag ctaggg

27